

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/079703 A1

(51) International Patent Classification⁷: **A61F 2/02**, 13/02

(21) International Application Number:
PCT/IL2004/000189

(22) International Filing Date: 25 February 2004 (25.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **COLL-GARD BIOPHARMACEUTICALS LTD.** [IL/IL]; P.O. Box 7779, Kiriat Matalon, 49170 Petah Tikva (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MAGDASSI, Shlomo** [IL/IL]; 36 Hanerd Street, 96626 Jerusalem (IL). **COHN, Daniel** [IL/IL]; 1 Motskin Street, 96551 Jerusalem (IL).

(74) Agent: **WEBB, Cynthia**; Webb & Associates, P.O. Box 2189, 76121 Rehovot (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **BIOCOMPATIBLE POLYMERIC DELIVERY SYSTEMS FOR SUSTAINED RELEASE OF QUINAZOLINONES**

(57) Abstract: The present invention relates to biocompatible polymeric delivery systems for controlled or sustained release of quinazolinone derivatives, including the compound halofuginone. In particular the invention relates to a polymeric delivery system comprising biocompatible polymeric beads having a two-phase core and shell structure, or polymeric films, beads or complexes that provide local sustained release of the pharmacological agent.



WO 2005/079703 A1